

SILICON SUMMER

Cool Refreshing Software

Cruisin' down Atari boulevard, checking out the latest wave of digital goodies. When the mercury's pushing ninety, we've got the cure to beat the heat.

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inside

BIG
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SAVE 20% ON YOUR NEXT PURCHASE!

(See details in THE CATALOG order form)

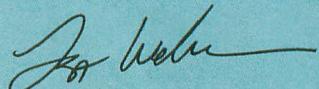
IF YOU WANT SOMETHING DONE RIGHT, DO IT YOURSELF.

When we started The Catalog, we knew our products would be popular—but not *this* popular! Orders poured in at such a rate that we hired outside product distribution companies to fill them and ship the products. Big mistake. Those companies were hundreds of miles away. They didn't know our products and, more importantly, they didn't know our customers. Orders just weren't getting filled fast enough.

So we brought it all home. We completely revamped the Antic product fulfillment

department, doubled the customer service team, built several hundred shelves in the basement and filled them with our products. And now, when you order a Catalog product, we take care of the whole thing in house. When you talk to one of our customer service people on the phone and they tell you that your product has been shipped, you can be sure that it has—because *they* shipped it. These are Antic people. They know their products and they care about their customers.

Since starting our new system, we've found we can turn around most orders in one or two days. But we don't want to make any unrealistic claims. So, how about one week? We promise to fill your order and send it out the door one week from the time we receive it. And you can take that to the bank.



Lisa Wehrer
Manager, Consumer Services

NEW!!

XLENT SOFTWARE—The Creative Touch

THE FIRST XLENT WORD PROCESSOR

by David Castell

"As good or better than any other word processor you'll find for the 8-bit Atari." —Charles Cherry
Antic magazine

FIRST XLENT is packed with powerful features: edit two documents simultaneously, add pictures to text, load in custom Atari fonts, optional joystick cursor movement, lightning-fast search-and-replace, soft hyphenation, partial document save, double-column printing, 80-column text preview. FIRST XLENT is compatible with almost any DOS (including SpartaDOS) and supports the 130XE RAMdisk for instantaneous file I/O.

TH0010

\$29.95

TYPESETTER

by Len Dorfman & Dennis Young

Layout and design printware for your Atari. TYPESETTER uses the maximum resolution your printer is capable of—no matter what the screen resolution. And if you have a 130XE, TYPESETTER will take advantage of that extra memory to create hardcopy layouts with a resolution up to 768 by 672 pixels! TYPESETTER is compatible with Epson, Gemini, NEC, Atari XMM801, and Prowriter printers.

TH0008

\$34.95

MINIATURE GOLF PLUS

by David Plotkin

Remember those warm summer evenings, down at the pee-wee golf course? The faded green carpeting and multi-colored balls? Impressing your date with that impossible bank shot around the moving barrier? Now, you can relive those halcyon days with David Plotkin's MINIATURE GOLF PLUS, a faithful simulation of the challenges, pleasures, and frustrations involved in getting the ball in the cup. And, if you're not satisfied with the course, MINIATURE GOLF PLUS includes a construction set. Design your own devilishly difficult holes.

TH0011

\$29.95

PAGE DESIGNER

by Dennis Young and Len Dorfman

PAGE DESIGNER is the ideal graphics utility for your Atari. Plan and design an 8 1/2×11-inch page on your screen—then print it to your graphics printer. Use graphics or text. Page designer comes with a special conversion utility to uncompress touch tablet files and is compatible with Epson, Prowriter, Panasonic, Citizen, Mannesmann Tally, Gemini, and Atari XMM801 printers.

TH0009

\$29.95

RAMbrandt

Atari Design Studio

BEST
SELLER!



All-time best-selling Atari paint Program

by Bard Ermentrout

Imagine . . . the ultimate paint software. For under \$20! Sit down with RAMbrandt and enter a design studio with the tools to make anyone a creative artist. It took our technical staff three hours to step through each of RAMbrandt's features. Use the built-in toolkit to enhance your own programs or picture files. Or just doodle for the joy of it! We barely have enough room to list all the power, but here goes:

- 5 graphics modes (7, 7+ (ANTIC E), and GTIA 9, 10, 11)
- Works with joystick, Koala Pad/ Touch Tablet or both
- Horizontal and vertical coordinates always displayed
- Box, Circle/Ellipse, Rubber band line, Freehand plot, Text (4 sizes, any

font—3 fonts included), Zoom, Mirror (vertical, horizontal, 4 way)

- Fill (solid, pattern, random, user-defined patterns)
- Unlimited user-defined brushes (5 pre-defined)
- Quilts and Tiles (user-definable color patterns—5 of each pre-defined)
- Paint or Fill with any pattern, quilt, tile, or font
- 128 colors in any mode with easy one key DLI access
- Random/Probability/Exclusive-Or/ Transparent "colors"
- Color Hunt mode (paint over only the color you choose)
- Animate mode (up to 32 frames at any speed)
- Window mode—any or all of your

picture: Rotate, vertical or horizontal flip (T-shirts), wipe, animate, scale (larger or smaller), cut and paste, rubber stamp

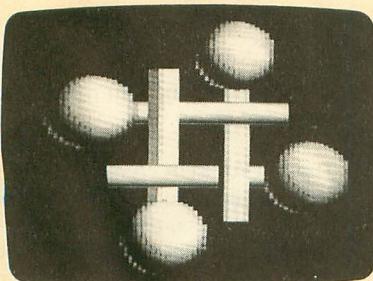
- Printer dumps for Epson, Star (Gemini), C. Itoh, NEC and compatibles
- Okimate 10 color printer dump supports color fine-tuning
- Load pictures from Moviemaker, Microillustrator, Micropainter, and ComputerEyes formats
- 130XE RAMdisk Support!

REQUIRES: One Joystick and/or Koala Pad or Atari Touch Tablet

AP0157 \$19.95

FREE BONUS! Order now and get a **FREE DISK** of pictures and extra character fonts.

Don't miss the RAMbrandt COLLECTION (PD0073—Page 15), a slide show for your RAMbrandt pictures with ten different special effects.



A 3-D Solid Object Modeler for RAMbrandt

SOLID OBJECT MODULE

by Bard Ermentrout

Now you can easily create 3-D objects with RAMbrandt. Start with 8 different primitives: Sphere, Torus, Cylinder, Spool, etc. Combine them to make complex structures. Then flip into RAMbrandt to complete your picture. This module will not rotate the objects, but it will do just about

everything else: 4, 8, or 16 level grayscales. Halftones (random or up to 64 dithered patterns). Backlighting or point source lighting. Clipping window to use parts of objects. Undo command. Much, much, more. If you use RAMbrandt, you need the Solid Object Module.

REQUIRES: 48 K RAM, RAM-

brandt

AP0182

\$15.95

★ TRAVEL TO THE STARS! ★

"Feed your imagination a banquet!"

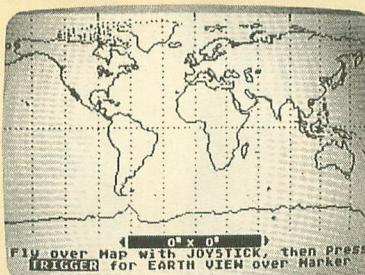
Perfect for Geography,
Science, HAM Radio, History,
Current Events.

EARTH VIEWS

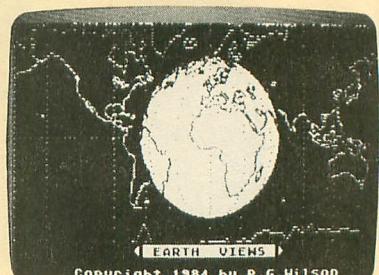
by R.G. Wilson

EARTH VIEWS is a WORLD ATLAS—an electronic GLOBE—an exciting adventure GAME. Yes, it's all three in one. Call up 250,000 different maps and views of the Earth instantly. Includes detailed hi-res maps and projections linked to a "Gazeteer of WORLD PLACE NAMES."

In the GAME: you fly into the Ber-



Mercator Projection

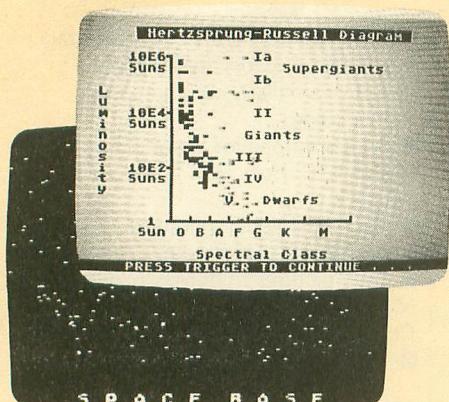


Rotating Globe

muda Triangle and go on quests to exciting places. Detailed screens display longitude and latitude, lots of

colorful information.
REQUIRES: Joystick
AP0141

\$19.95



SPACE BASE

by Jeff Mehilman

SPACE BASE is a computer-referenced SKY ATLAS—SPACE BASE is a STELLAR INFORMATION DATA BASE—SPACE BASE is a complete, instant ASTRONOMY REFERENCE SOURCE! SPACE BASE is ALL THREE! In ONE PROGRAM! Features include: Cursor movement over giant 9-foot by 3-foot scrolling color star map. Get star data: Name, Right Ascension, Declination, distance from Earth, parallax, radial velocity,

magnitudes, spectral type, color index, and more! Colorful screen chart shows where each star fits into the Hertzsprung-Russell Diagram. Study deep sky objects: diffuse nebulae, planetary nebulae, open clusters, globular clusters, many types of galaxies. Border of screen is the "color" of that star! A must if you own a telescope. A valuable addition to your library of learning software.

REQUIRES: 48K RAM, One joystick
AP0142

\$19.95

Simulate a trip to the Moon.
ORBIT—A TRIP TO THE MOON
by John D. Reagh

BEST SELLER!

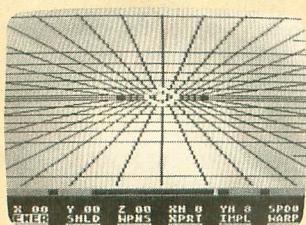
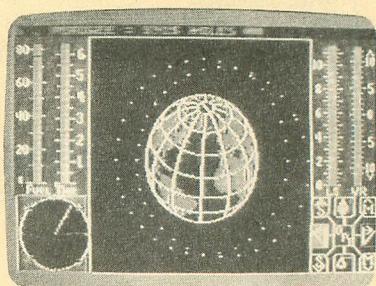
Dock with the Space Station to get supplies, then head for the Moon. Establish a low altitude orbit, detach the landing module and descend to the lunar surface. This is a serious simulation of a true mission. Fuel consumption, life support systems,

orbital position, altitude, rocket burn time, thrust vectors, radial velocities, orbital constants—keep track of them all. On-board ship's computer instantly plots new courses.

Designed and written by a Lockheed aerospace engineer. Complete with documentation that's educational too.

REQUIRES: Joystick
AP0168

\$15.95



Star Raiders was a great game... for its time.

XTAL (CRYSTAL)—AN ADVENTURE IN SPACE

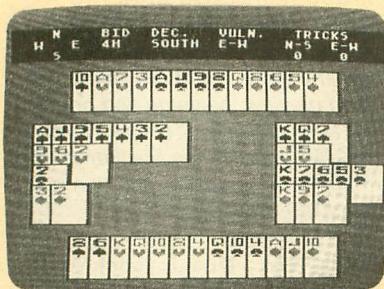
by Dave Reese

A planet-threatening Ion Radiation storm has developed in the peaceful

Canasian section. Your mission: destroy that storm.

The EXCALIBUR comes equipped with impulse and warp drives, transporters, phasers, communicators, shields, quadrant map display, and a spectacular 3D cockpit/navigation viewscreen.

AP0158 Star Raiders® Atari Corp. \$15.95



The card game of royalty . . . and society.

BLUE TEAM BRIDGE

by Walt Huber

A complete, tournament-level computerized bridge simulation. Now you can learn to play and play more often. Improve your game.

New players can learn to play right.

Intermediate players can learn an advanced style of bidding. Advanced players can learn new bidding conventions to sharpen their skill. All will have a worthy competitor when you "can't get a foursome together." Your favorite game is always at your fingertips.

REQUIRES: Joystick

AP0178

\$15.95

Great moves . . . for all level players.

COLOSSUS CHESS 3.0

The Ultimate Computer Chess.

by Martin Bryant,
English Software UK

BEST
SELLER!

Here's a chess program with all the moves of a *chess master*, a great chess tutor or a master tournament opponent. Whether you're a beginner or a pro, COLOSSUS CHESS 3.0 is for you.

Dare to challenge the program that *outplayed* 20 of the best computer chess programs available!

■ Unique two-screen dual display—current game and unique view of COLOSSUS's "brain." Watch Colossus consider thousands of moves.

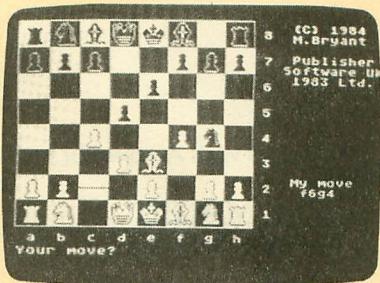
■ On-screen elapsed-playing-time clocks add realism, excitement to Tournament mode (full tournament play).

■ COLOSSUS teaches you to be a better chess player with simulation modes (infinite mode, problem mode, equality mode, average mode, all-the-moves mode, blindfolded mode). Adjust playing speed and style.

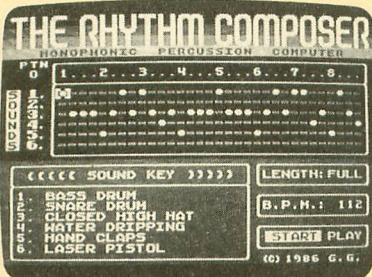
REQUIRES: 48K RAM

AP0161

\$15.95



NOTE: COLOSSUS CHESS 3.0 was named ". . . one of the best buys in chess programs today" by Analog magazine (Nov., '85).



A Professional Drum Machine

THE RHYTHM COMPOSER

by Glenn Gutierrez

Create and edit drum sequences. Use them in any order, at any tempo.

Work with the dozens of drum sounds included, or create your own. Ideal for the student and hobbyist. Indispensable for the musician and composer.

AP0180

\$15.95

Play graphics like an instrument.

COLOURSPACE

by Jeff Minter, Llamasoft UK

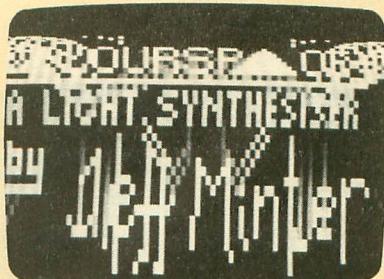
There is nothing else like COLOURSPACE! This "visual synthesizer" drives the Atari's incredible graphics to the max. Use your joystick to create mind-boggling light shows. "Record" up to an hour for immediate

playback, or preserve it all on video cassette. Unlimited applications: eye-grabbing displays, abstract music videos, special effects, the ultimate video titler, or turn up the music, turn down the lights, and get lost in the magic of COLOURSPACE.

REQUIRES: Joystick

AP0166

\$15.95



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WORDSMITH TOOLS

Now, supports the Atari 1027 printer.

WORD MAGIC™ and GRAPHIC MAGIC™

by Blue Collar Software



Also works with Atariwriter and Paperclip!

SPELL MAGIC™

by Blue Collar Software

Spell it right—every time, with this 34,000-word integrated dictionary. Get started fast with on-line help and

WORD MAGIC is the high-powered, low-priced word processor program for you! It's got every major feature you'll demand, plus all the special ones you'll love. "On-line help files" get you started. Choose from many type fonts. "Cut and paste" between files, then check your work with automatic, on-screen formatting. WORD MAGIC keeps you in control; use a joystick or trackball to quickly move the cursor—Scan files rapidly! *NOTE: If you own the compatible Antic DATA MANAGER XL (AP0129), you can easily perform professional mail-merge list processing and form letter operations. Or use WORD*

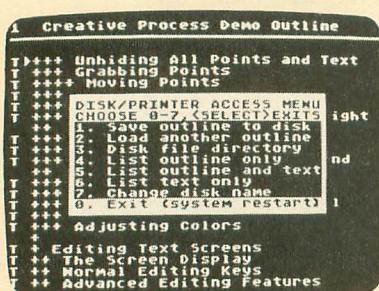
MAGIC with built-in GRAPHIC MAGIC plus an Epson or Gemini printer—Easily and professionally insert any graphic into any document. Then preview, paginate and print it out automatically. (This pair is functionally similar to the Macintosh and ImageWriter graphics/text combos.) See FREE BONUS below.

OPTIONAL: One Joystick or Trackball Controller

AP0130 \$19.95

130XE version: Includes Word Magic, Graphic Magic and Spell Magic:

AP0160 \$29.95



"Organize ideas with the only outline processor for the Atari." Compatible with Word Magic, Atariwriter, Paperclip, and other word processors.

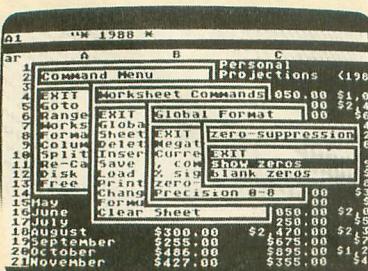
CREATIVE PROCESS Version 1.8

by Dave Thorson

Outline processors have become indispensable authors' tools (you've seen them advertised for the Macintosh and IBM). CREATIVE PROCESS on the Atari is a tremendous aid in report writing—for business or school. Capture your ideas and turn them into professional documents. Reduce the time needed to get out a document, because speed is the key feature. It can help you manage your projects, make sense out of long meetings, and monitor works-in-progress. Plus, it's so flexible that it

of your screen. Add an unlimited number of expandable personal dictionaries (up to 10,000 words each). Updates your personal dictionary automatically while checking words. Counts words. Works with single or double drive systems.

AP0144 \$19.95



PROGRAMMABLE spreadsheet for the XL and XE computers.

CALC MAGIC

by Metamorphosis Development

This is a full power, fast spreadsheet presented in a much easier-to-use programmable, multi-menu package. Now you can have sophisticated facilities to really control a spreadsheet—and get a solid grip on your budget or business.

Features include:

■ Built-in plain-English programming language. Reduce your keystrokes

can be used as: an address and phone number filer, calendar, recipe database, and for organizing everything. Pop-up command windows let you concentrate on ideas. Undo key, adjustable screen colors, utilities package, and 130XE RAMdisk support are only a few of CREATIVE PROCESS's huge list of features. Comes pre-configured for single and enhanced density. Capable of supporting your double-density DOS's as well. 100% compatible with Word Magic (AP0130), Atariwriter, and Paperclip.

OPTIONAL: Printer, Word Magic (AP0130)
AP0151 \$19.95

and allow build templates to allow non-technical people easy access to CALC MAGIC power.

- Quickly test multiple "what if" conditions and determine actual effects.
- Pop-up menus let you choose commands easily, avoid complex command sequences.
- Supports DIF file transfer.

REQUIRES: XL or XE computer, 64K
AP0177 \$24.95

AT LAST! BELLS AND WHISTLES FOR B/GRAPH™

NEW!

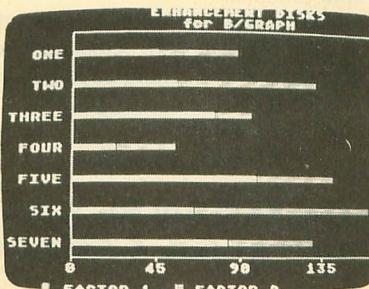
THE ENHANCEMENT DISKS (A 2-disk set)

by Robert Wilson

Ever since B/GRAPH—the most powerful Atari business/graphics software ever—was released, rumors persisted that its co-author, Robert Wilson, had created a collection of super utilities and enhancements for the original program that, combined, made the whole set comparable to business-presentation systems worth hundreds of dollars on other computers.

Those rumors were true. For several years, Robert Wilson created, debugged, polished, and reworked his collection of utilities until they became four packed disk sides of programs and documents. Although it is possible to use many of these pro-

grams without owning B/GRAPH, THE ENHANCEMENT DISKS are primarily designed to run with B/GRAPH—which is available from Batteries Included (and may be found in The Catalog, part #TH0005).



THE ENHANCEMENT DISKS features include:

- Bubble charts for market segmentation analysis

- Opposed bar charts
- Segmented horizontal bar charts
- Loan amortization schedules
- Instant switching of plotted variables
- Covariance and correlation matrices

And THE ENHANCEMENT DISKS support the Atari 1020, Radio Shack CGP115, and Mannesmann Tally Pixy plotters for the ultimate in clear presentation. Plotter features include:

- Exploded pie charts
- Floating bar charts
- Plotting of algebraic expressions
- 17 factors per graph with overlays
- Left and right side scaling

(Requires Atari BASIC)

AP0190 \$19.95

(B/GRAPH recommended)

B/GRAPH is a trademark of Batteries Included

Write better and faster

PaperClip™



PAPERCLIP—Power, flexibility and the ease-of-use that made the original PaperClip an instant best-seller! Now, the Atari version offers even greater word processing capabilities than ever before! Easy to use features give a lot more power right at your fingertips. FEATURES INCLUDED: SPELLING CHECKER, DUAL TEXT WINDOW EDITING, ON SCREEN HELP FILES FOR ALL KEY PROGRAM FUNCTIONS, COMPLETE WITH PRINTER FILES FOR ALL MAJOR PRINTERS, AUTOMATIC TABLE OF CONTENTS, AUTO SAVE CAPABILITY, CUSTOM CHARACTER SETS, MACROS, and much more!

by Steve Ahlstrom and Dan Moore
TH0003 \$59.95

FULL FEATURED, POWERFUL INTEGRATED SOFTWARE FROM BATTERIES INCLUDED



3 in 1 Integrated Software System

HomePak™

HOMEPAK combines HOMEFIND, HOMETEXT, HOMETERM to make what Infoworld calls a "bold product". Now an electronic information manager, computerized writing tool and telecommunications product is yours on one powerful disk. EASY TO USE.

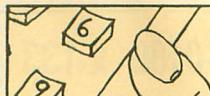
by Russ Wetmore
TH0004 \$19.95

Charts and graphs made easy

B/GRAPH™

B/GRAPH is a serious graphics/charting and statistics package. Create pie charts, bar charts, area graphs, and much more. Change designs without re-entering data. Make beautiful presentations that can be integrated with your reports generated from PaperClip!

by Robert Wilson and Michael Reichmann
TH0005 \$39.95



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COMMUNICATIONS

BBCS II BULLETIN BOARD CONSTRUCTION SET

by Scott Brause

Use the four BBCS editors to build your own powerful, custom Bulletin Board. Remote sysop capability lets you change menus and features from anywhere in the world with complete security. Your BBS will grow as you do—even start your own on-line business, create opinion surveys, and hold user group elections. Add cursor art/animation and fancy title screens too. Build your bulletin board system for everyone because BBCS is totally

compatible. Define up to 26 terminal types and directly support up to 25 other kinds of computers.

Here are a few of BBCS's long list of features:

- 65,792 security levels (plus privilege levels). Each level determines what the caller will or will not see.
- Xmodem upload/download.
- Downloadable files may be on separate drives and can be broken up into sections.
- Before a download takes place, the system calculates the actual transmission time at the current baud rate and reports it.

■ BBCS may be used with or without passwords.

■ System automatically checks for private email upon user log-on.

■ Time each user is allowed is selectable.

■ Callers may be tagged to alert the Sysop or blacklisted to auto log-off problem users.

■ ATASCII/ASCII capability (defined by terminal type).

■ Full subdirectory support (with appropriate DOS).

REQUIRES: Hayes compatible modem and interface.

AP0146

\$24.95

MANY OF THESE TITLES CAN BE YOURS AT A DISCOUNT! (Look for details in THE CATALOG order form)



The only programmable modem software available.

BACKTALK 1.2

by Steve Ahlstrom, Dan Moore and Don Curtis

Designed by the authors of PaperClip, Synfile+, and Sherlock 1050, BACK-

TALK is powerful and easy-to-use. "Script" files can be executed with the touch of a button. Or they can run automatically—even in the middle of the night while the phone rates are lowest. Now you can wake up in the morning and read your email—with your morning paper—without having to download anything yourself! Bulletproof file transfer. Three protocols: Xmodem (with or without CRC), Amodem, and Xon/Xoff. Supports 300, 1200, 2400 baud modems, ASCII/ATASCII translation, full and half duplex. CB "chat" window provides uninterrupted communication during on-line conferences. Smooth

scrolling text reduces eyestrain. Friendly pop-up menu makes entering commands a snap.

Now you can use BACKTALK with every modem. Supports Hayes-compatibles, Atari 1030/XM301, and Supra/MPP 1000-series. There's even a way to load your own modem handlers. 130XE will love the way they can download files into the RAMdisk.

AP0154

\$19.95

NOTE: Some early 810 disk drives will not work reliably with BACKTALK's high speed I/O.

CHAMELEON CRT TERMINAL EMULATOR

VER. 4.03 NEW VERSION

by John Palevich

Written in machine language

Turn your Atari into a variety of computer terminals! Five popular types: Glass TTY, ADM-3A, DEC VT-52, IBM 3031, ASCII, plus a test terminal. Software supports tab, backspace, line feed (on/off), form feed, bell sig-

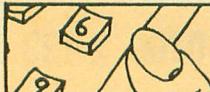
nal, speeds up to 9600 bps, plus lots more. Wide-screen 80 and 132 column emulation. You've never seen anything as fast and smooth as the vertical and horizontal fine scrolling. All these features make CHAMELEON flexible enough to use with UNIX operating systems. Perfect for logging on to non-standard systems, such as MCI MAIL and DELPHI, because you can customize all terminal

parameters. Autodials and stores up to 16 phone numbers. Supports file transfers and features on all Atari 850-interface, 835, 1030, and XM301 modems. Version 4.03 includes Columbia University's Kermit file-transfer capability, in addition to total compatibility with the popular Xmodem protocol.

REQUIRES: 48K RAM

AP0113

\$19.95



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BEST
SELLER!

GRAPHICS

This 2 DISK SET gives you complete command of your dot matrix printer.

PICTURE PLUS 3.0 and LISTER PLUS 1.5

by Chet Walters

Non-Standard Magic!

PICTURE PLUS is the total graphics utility combined with the ultimate ATARI screen dump. Now Version 3.0 is faster and works with nearly any DOS. It even works with RAMdisks.

Translate pictures between Micro-Illustrator, SuperSketch, Paint, Fun With Art, B/Graph, Movie Maker, Micropainter, Atari Light Pen, Atari

Touch Tablet, Koala Pad, LOGO, Computer Eyes, DrawIt, RAMbrandt (when converted), Graphics 7, 7+, 8, 9, 10, 11, and 15.

Work with the entire picture or just area you want. PICTURE PLUS will merge two pictures, reverse a picture left to right (for T-Shirts), turn it upside down, move it in any direction, make a negative, or change colors. Add text anywhere on the picture, in any color(s) and any font(s), in 6 sizes.

PICTURE PLUS will print screens in 4 sizes from 3" x 4" to 8" x 14". Directly supports printers compatible with Epson, Gemini, Prowriter,

Okidata, color IDS, and color Mannesmann Tally. Custom Printer installation program handles most others.

LISTER PLUS will print anything exactly as it appears on your screen including control characters, inverse letters, custom character sets, and character graphics. These two packages formerly sold for over \$30 each.

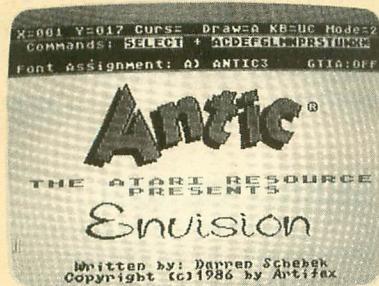
REQUIRES: 48K RAM, Atari

BASIC

OPTIONAL: Dot Matrix Graphics Printer

AP0179

\$19.95



The RAMbrandt of character graphics.

ENVISION

by Darren Schebek

Create giant, multi-screen, 8-way scrolling pictures. Build effortless animations (up to 128 frames at 10 speeds). There has never been anything like ENVISION before. Did you think character graphics were blocky, ugly substitutes for the real thing? Take another look at this screen shot. Graphics 0. And in real life, it's animated.

ENVISION has over 50 commands giving you total control over the Atari's 6 incredible text modes. Print out your pictures, do fancy typesetting. Envision also supports GTIA

modes 9 & 11. A special utility converts microscreens to character graphics that are indistinguishable from the original. ENVISION is a brand new art medium and much more. It will create stand-alone pictures or produce BASIC and Assembler SOURCE CODE, a programmer's dream come true. On the 130XE, Envision supports 16 simultaneous fonts.

REQUIRES: Joystick

OPTIONAL: BASIC, MAC/65, SynAssembler, Epson-compatible printer

AP0185

\$19.95

Create Print Shop™ Icons from your favorite pictures.

GRAPHIC SHOP

by Charles Jackson and Darryl May

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OPTIONAL: RAMbrandt (AP0157)
REQUIRES: Print Shop

AP0156

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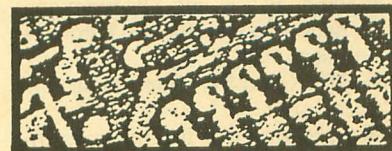
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Create hi-res world maps in 4 different projections. This is the predecessor to the spectacular Maps & Legends on the ST.

REQUIRES: Atari BASIC

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REQUIRES: Atari BASIC

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ter/list processing needs! A special "Tools Manager" section features: database diagnostics and utilities plus a disk drive speed checker! How-to instructions are complete and detailed.

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by Harry Koons and Art Prag

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REQUIRES: Atari BASIC, Joystick
AP0167 \$15.95

pertinent information about that family member instantly. All historical data can be displayed and edited on-screen. Save up to 24 generations on one disk. Send printed charts to distant relatives—get their help in completing each family member's history. Preserve your family tree for posterity!

REQUIRES: Atari BASIC

OPTIONAL: One Joystick

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- Current line highlighted during program execution.
- Adjust program execution speed using joystick "throttle."
- Variable Display shows updated contents of variables during program execution.

- Stop, skip to any line, then restart your program at any point.
- Variable Menu displays all variables, arrays, strings in alphabetical order.
- Examine dimensional array structures and elements, and memory locations.
- "Find" command for instant search of any variable or array element by name.

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Power combo for Assembly language programmers**FLOATING POINT PACKAGE**

by Louis J. Chorich III

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by Jim Dunion

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REQUIRES: Mac/65

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by Frank Paris

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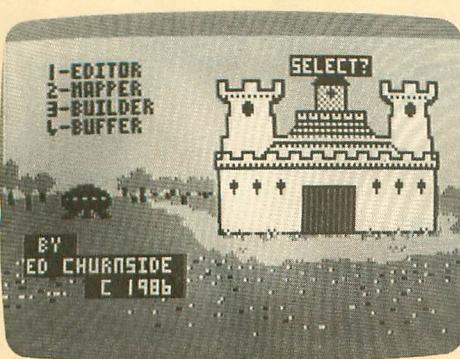
by Ed Churnside

This is a HUGE package, three disks, six sides of programs, utilities, demos, and documentation. It started out as routines to write graphic adventures, by the author of ANTIC's best-selling DRAGON QUEST, but it got out of hand. Ed has produced a masterwork. There's invaluable stuff

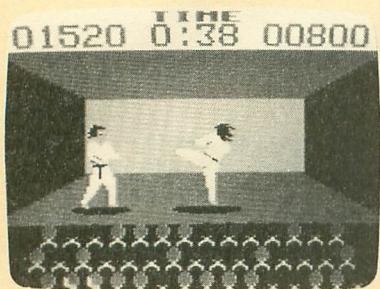
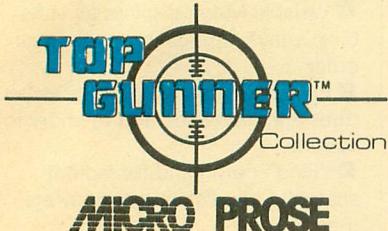
here for text parsing and string formatting, memory and bit manipulation, timing, I/O, graphics editing and compressing, animation, and more. It even does windows. There is the powerful SCRLD which will write your program for you. Like the man said, "If it ain't here, you don't need it." All this and the SOURCE CODE for DRAGON QUEST as a demo. Good programs for the Atari XL/XE are getting harder to find. Write your own.

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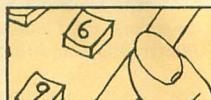
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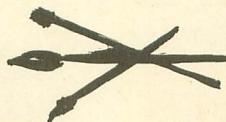
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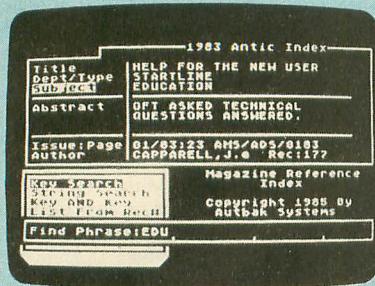
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SOFTWARE FROM THE CATALOG™

AN
INFORMATION
TECHNOLOGY
COMPANY

NEW!

GENESIS™

The 3D Molecular Modeler
by Scott Legrand

The atoms of life... carbon
... nitrogen... hydrogen
... oxygen... phosphorus

This is the stuff we're made of. But until now, only research scientists in large universities could actually *image* the building blocks of matter.

Imagine creating the basic elements yourself, then watching as they come to life. And with a pair of STEREO TEK glasses, this miraculous process unfolds in 3D stereoscopic depth.

Using GENESIS and your mouse, you can:



- load and display amino acids, hydrocarbons, and sugars
- create your own molecules onscreen or build them with data from pre-stored libraries

Rotate 3D molecules on any axis—X, Y, or Z, using real-time control. In stereo, hexagonal carbon rings and delicate fingers of hydrogen burst right out of your monitor. With two molecules onscreen, you may:

- create your own rules for molecular bonding, then animate the chemical reaction between them
- derive the new empirical formula and print hardcopy

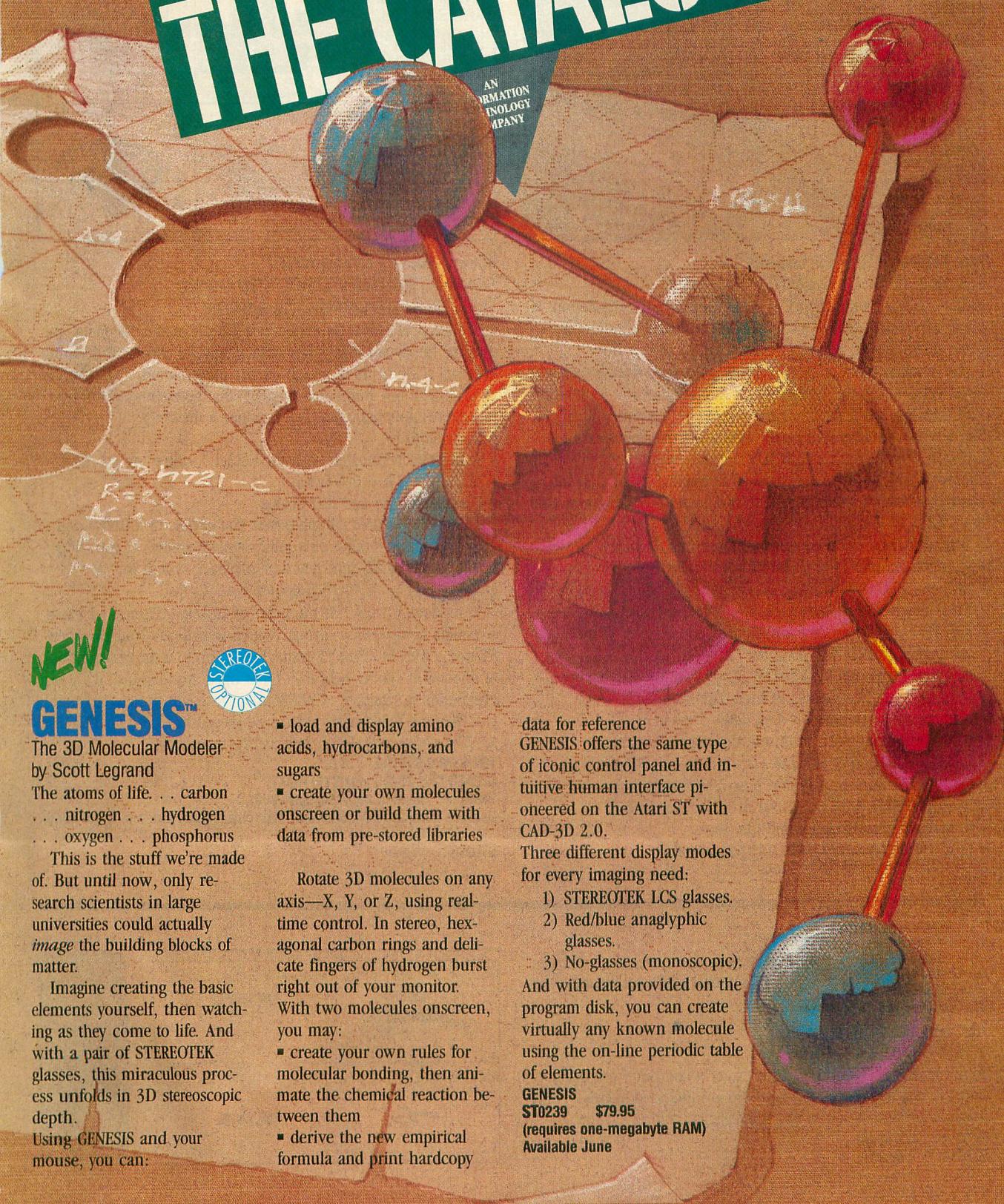
data for reference
GENESIS offers the same type of iconic control panel and intuitive human interface pioneered on the Atari ST with CAD-3D 2.0.

Three different display modes for every imaging need:

- 1) STEREO TEK LCS glasses.
- 2) Red/blue anaglyphic glasses.
- 3) No-glasses (monoscopic).

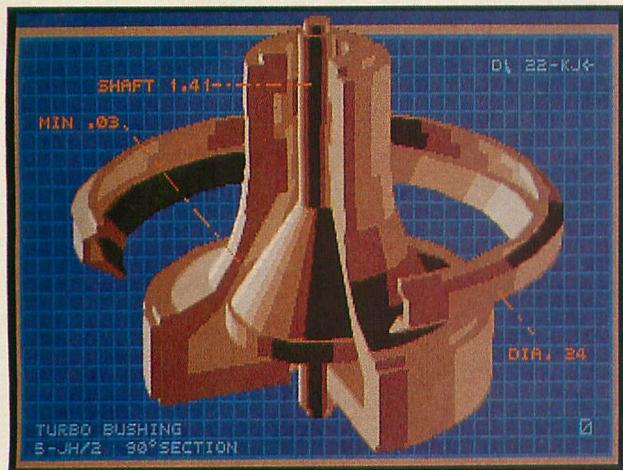
And with data provided on the program disk, you can create virtually any known molecule using the on-line periodic table of elements.

GENESIS
ST0239 \$79.95
(requires one-megabyte RAM)
Available June



THE CYBER STUDIO™ (2-program set)

The first affordable integrated 3D video production workstation.



Tom Hudson's STEREO CAD-3D 2.0™

Supports (optional) STEREOCAD 3D Glasses

Hidden within your Atari ST is a professional 3D workstation. A 3D design system that is intuitive—yet powerful enough for professional artists, advertising agencies, or design firms.

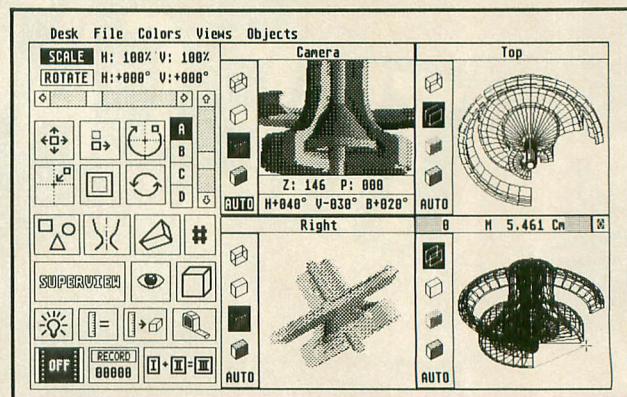
We've taken every suggestion from graphics professionals who loved version 1.0, but wanted more designing power and speed. And then we made version 2.0 an open-architecture system, so that any programmer can easily write custom applications for CAD-3D 2.0 that run as desk accessories: motion control choreography, advanced rendering/ray tracing, finite element analysis, texture mapping, custom modeling tools. . . There's no limit. CAD-3D 2.0 will never become obsolete.

Let your creativity soar with all these new features:

- Icon control panel—fast, intuitive interface
- All new, DEGAS-style color design system permits custom-color lines, edges and backgrounds, multi-colored objects
- Real-time display mode for instant response (uses 3D math developed by Jez San for Starglider™)
- Supports (optional) STEREOCAD 3D glasses for 3D viewing
- Dimensioning (feet/inches or meters/centimeters)
- Graphic lighting control—drag lights anywhere
- GDOS output supports laser and dot matrix printers
- Load/Save 2D object templates (from other CADD systems)
- Customized rendering system plus Z-buffer accuracy
- User-selectable pivot points for articulated rotations
- Enhanced Spin, Extrude, and Join tools
- Load DEGAS pics into CAD-3D background

"**A**ntic's CAD-3D is one of the best programs I've seen for the Atari or anything else."

—Jerry Pournelle
Byte Magazine



Mark Kimball's CYBERMATE™

Supports (optional) STEREOCAD 3D Glasses

The CAD-3D Animation/Editing language

You need powerful tools to produce a professional 3D digital animation. Important things like editing, special effects, and sound are critical elements in a high-quality presentation. CYBERMATE is a full-featured animation language that gives you control over:

- Sequence looping, cuts, fades, wipes & dissolves
- Color shifting
- Sound effects (created with the G.I.S.T.™ editor, on pg. 11)
- Acceleration & deceleration
- Title generation and text display

CYBERMATE features editing power comparable to a Hollywood post-production studio, plus full programmability. At your fingertips is the most efficient real-time playback system for 3D graphics ever on a microcomputer. And it's fast!

How does it work? At the heart of CYBERMATE lies our exclusive delta compression format, which transforms your one-meg ST into a TEN-MEGABYTE frame buffer. Up to a thousand frames of animation can be held in RAM at once. And because it's a real programming language, CYBERMATE can adapt to new technologies, like the new digital video tape recorders from Japan, RGB-to-NTSC converters, MIDI, and SMPTE time code.

THE CYBER STUDIO

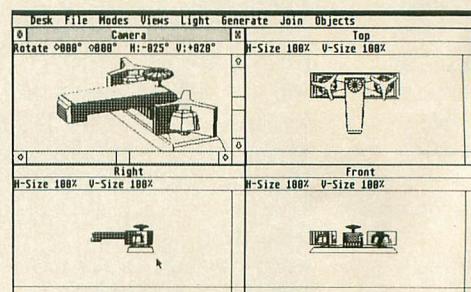
STEREO CAD-3D 2.0 plus CYBERMATE

2-disk set (requires one-megabyte RAM)

Upgrade from CAD-3D 1.0 for only \$60 (plus original disk and \$5 shipping)

Starglider™ Firebird Software
DEGAS™ Batteries Included

ST0236 \$89.95



"**A** remarkably powerful modeling system."
—Computer Graphics World

The Original...

Tom Hudson's CAD-3D™ 1.0

520ST-compatible

If you own a 520ST and are interested in computer graphics, many of the features of CAD-3D 2.0 are included in this original version—you even get a basic animation system.

(requires 512K RAM)

ST0214 \$49.95



CYBERSCAPE®

A 3-D "feature film" on disk by Darrel Anderson
Skim the fantastic, 3-dimensional terrain of the mind! Metamorphosing metallatons and transforming tubular time slots! This full-color, animated feature was created by professional artist Darrel Anderson, to show what can be done with CYBERMATE—The CAD-3D Animator. An incredible tour de force of computer graphic power, this demo is a guaranteed auto-lobotomy of the very first order!

CYBERSCAPE DS
(1 double-sided disk)
SB0104 \$10.00

CYBERSCAPE SS
(2 single-sided disks)
SB0105 \$12.00
(Both versions require 1 megabyte RAM)

3D-FONT PACKAGE

by Tom Hudson

Design your own 3D greeting cards, signs, logos, and letterheads with CAD-3D. Or create sophisticated 3D animated title sequences for your home videos.

At the heart of this packed disk is Tom Hudson's new SUPER EXTRUDER TOOL. With it, you can create new kinds of complex, multicolored 3D objects that can't be built with CAD-3D alone. Plus, it

Now you can write the next hit 3D program!

3D DEVELOPERS DISK

For CAD-3D 2.0
by Tom Hudson

NEW!

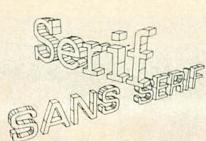
While Tom was rewriting CAD-3D, he quickly realized that it was impossible to add *everything* and still release a product in this century. Plus, who wanted CAD software that required a 4 megabyte machine? So he opened up the system—by providing a programmers 'pipeline' through desk accessories.

Opportunity Knocks!

The 3D DEVELOPERS DISK clearly explains to programmers and developers how to access the pipeline. Included on the disk are full-featured example source and object code examples, plus detailed instructions by Tom Hudson showing you how to hook into CAD-3D 2.0. Create your own 3D applications—with no knowledge of 3D math. There's no licensing fee required.

(Requires CAD-3D 2.0)
(works with most popular ST C's plus machine language)
3D DEVELOPERS DISK
ST0244 \$29.95

AVAILABLE JUNE



(requires CAD-3D)
3D-FONT PACKAGE
ST0224 \$24.95

PLOTTER AND PRINTER DRIVERS

Plot your 3D drawings on a high-resolution pen plotter for a truly professional look! Supports Hewlett-Packard (and HP compatible) plotters. Multi-plots on a single page—best fit system.

(requires CAD-3D)
PLOTTER DRIVERS
ST0225 \$24.95

Also, dot matrix printers supported: GEMINI/STAR, EPSON, OKIDATA, IBM, COLOR (Radio Shack, Epson, Canon), NEC, PANASONIC, C-ITOH, and more.

THE CAD-3D DESIGN DISK LIBRARY

Darrel Anderson and Richard Berry

YOUR FOUNDATION FOR THE BEST IN CAD-3D ART

HUMAN DESIGN DISK™ **NEW!**

Populate the CAD-3D Universe. Bring life to your CAD-3D creations with the CAD-3D HUMAN DESIGN DISK. Complete modular male and female prototypes, in skeletal and surface anatomy forms, are included. A variety of complex heads and hands add detail and realism to your figures. Modify your figures to create the infinite variety of the human form, pose your figures, detail the images with any popular paint program, or



bring them to life with the CYBERMATE Animation System.

Includes:

- Blueprints
- Tips on the dynamics of human anatomy.

ARCHITECTURAL DESIGN DISK™ **NEW!**

Create CAD-3D renderings of your Dream House or build an entire CAD-City from the ground up. Component parts including: Doors, Windows, Arches, Roofs, Walls, Stairways, and a wide variety of architectural accoutrements. Create your own CAD structures and populate them with HUMAN DESIGN figures. Build "sets" for your CYBERMATE animated movies.



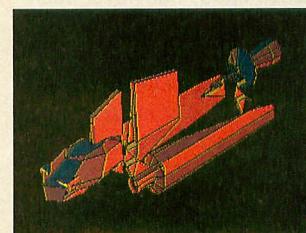
NOTE: The ARCHITECTURAL DESIGN DISK can be used to

visualize and render real world architecture. It is not intended for use as an architectural engineering tool. Includes:

- Blueprints
- Complete Models
- Design Tips

FUTURE DESIGN DISK™

Get a fast start on your three-dimensional explorations with the CAD-3D FUTURE DESIGN DISK. Everything you need to create SPACECRAFT, STATIONS, BASES, VEHICLES, ROBOTS, and ANDROIDS. Model your future then populate it with androids and CAD-People. Bring it to life with CYBERMATE; detail it with any popular paint program.



Includes:

- Blueprints
- Complete models
- Component parts

***HUMAN DESIGN DISK**
ST0242 \$29.95

***ARCHITECTURAL DESIGN DISK**
ST0243 \$29.95

FUTURE DESIGN DISK
ST0232 \$24.95
(All Design disks require CAD-3D)
***AVAILABLE JUNE**



800-443-0100, ext. 133

(Continental U.S. and Hawaii) Visa/MC Only

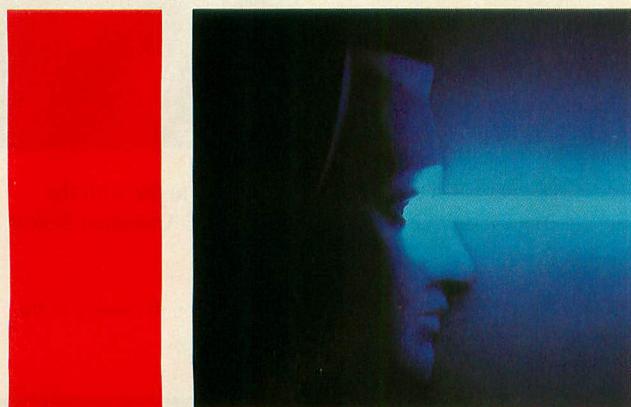
ORDER TOLL FREE

LC Technologies

True stereoscopic 3D graphics for your Atari ST.

STEREOTEK™ 3D GLASSES

by LC Technologies



© Michel Tcherevkoff TIB West

Put on the STEREOGRAPHIC glasses and jump into a new universe. Discover a magical world that you always knew existed. That extra dimension—DEPTH. Now you can add depth to your computer graphics with the STEREOGRAPHIC Liquid Crystal glasses. Solid, realistic, 3D images you want to reach out and touch. STEREOGRAPHIC glasses plug into your ATARI ST cartridge port to provide absolutely realistic 3D graphics in full color or hi-res monochrome.

NOW! AVAILABLE FOR USE WITH STEREOGRAPHIC GLASSES



NEW!

LCS WANDERER™

by Pyramide Software

Deep space has never been so real!

LCS WANDERER is the first ST game designed for full-depth stereo. Written in France, but set in outer space, this stunning arcade adventure transports you through galactic Space sectors, Black holes, and Limbo. Startlingly realistic, stereo point-of-view animation puts you in the cockpit as you swoop and dive through star fields while dodging enemy craft.

This is no ordinary space shoot-em-up. The bizarre, complex plot involves the ruthless kidnapping of every cat on earth. As you wander through space, collecting purloined pussycats, you run across the Heads of State of the Planetary sectors with

whom you must play interstellar poker. LCS WANDERER is a complex, multimodular program—really several games in one. Journey from the dogfights in the Space sectors to the interstellar poker strategies, from the Battlezone-style of the Planetary sectors to the stereo tunnel of the Black holes, and Limbo... well, there's always Limbo.

The liquid-crystal clarity of the StereoTek glasses transforms LCS WANDERER into a multi-colored micro universe within your monitor. Includes a completely redesigned solid-surface cockpit, full 16-color displays, and reduced eye-fatigue compared to the original red/blue version.

(Requires color monitor and StereoTek glasses)

LCS WANDERER
ST0238 \$39.95

Battlezone™ Atari Corp.

Your STEREOGRAPHIC depth-view system includes:

- One pair electronic Liquid Crystal Shutter glasses with four-foot cable (can be comfortably worn over eyeglasses).
- ST cartridge interface unit—supports two sets of glasses (second set optional).
- DEGAS Elite Stereo Desk Accessory.
- Stereo CAD-3D animation and stereo slide show by Tom Hudson.
- For programmers: Complete developer's instructions plus sourcecode for adding stereo to your own programs. (C or GFA BASIC)

The secret to full-color stereo images on a computer screen is electronic Liquid Crystal Shutter (LCS) glasses. Two optical shutters in eyeglass frames are connected electronically to the ST. Every time the ST screen refreshes (60hz/color, 70hz/mono), one shutter closes and the other opens. The monitor displays alternating right and left eye views synchronized with the shutters. The alternating views appear faster than the eye can see, and your brain translates the normally flat monitor image into one of startlingly realistic depth.

STEREOGRAPHIC 3D SYSTEM

TH9020 \$149.95

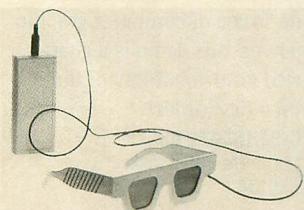
ADD-ON GLASSES ONLY

TH9021 \$99.95

STEREOGRAPHIC 3D SYSTEM

Manufacturer's Sugg. List: \$189.95

Catalog Price: You pay only \$149.95

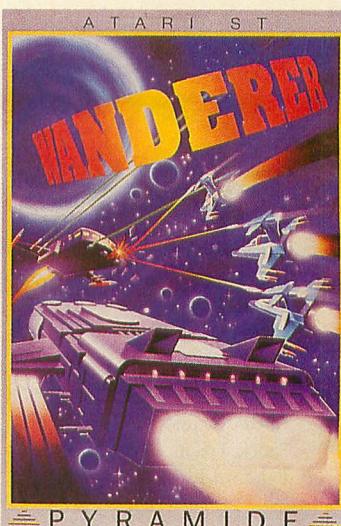


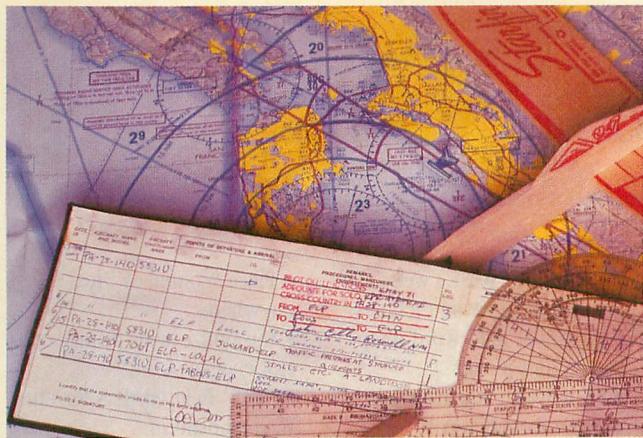
LC Technologies is a venture of Tektronix, Inc.

\$5,000 CONTEST

Antic and LC Technologies are co-sponsoring a competition to search for the MOST INNOVATIVE STEREO APPLICATION PROGRAM. We're going to pay \$5,000 in cash (advance against royalties) for the winner, plus a continuing royalty upon publication here in The Catalog.

For an official entry blank and competition details, write to: STEREO COMPETITION; The Catalog, 544 Second St., San Francisco, CA 94107, or call (415) 957-0886.





NOW! A PROFESSIONAL FLIGHT PLANNER FOR THE ST! THE NAVIGATOR™

by Scott D. Stephenson

• Works with MAPS AND LEGENDS

Sometimes, you really need to know *exactly* where you're going. Have you ever wondered, while boarding your plane, how the pilot will find his way to your destination? The answer is navigation. The pilot follows a detailed flight plan created by his navigator.

Now, accurate computerized navigational planning is available on the Atari ST. THE NAVIGATOR is a professional, automated flight planner created specifically for the ST by professional navi-

NEW!

THE WORLD ON A DISK.
MAPS FOR EVERYBODY!

MAPS AND LEGENDS™ — The Cartographer

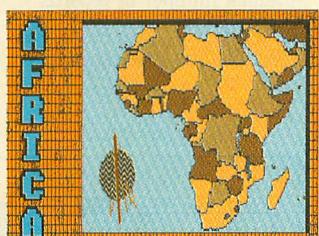
Enhanced Version
Supports (optional)
StereoTek Glasses
by Harry Koons and
David Chenette

Hold on a second. Now that you've word-processed, spreadsheeted, databased and telecommunicated with your Atari ST, aren't you looking for **something different?**

How about Cartography? Until now, mapmaking has been a unique art mastered by only a few talented people. Not anymore. With MAPS AND LEGENDS, your Atari ST becomes a personal desktop cartography system.

Show your children exactly

what the world looks like—with or without political boundaries. And in STEREO, the world globes appear



to be floating **in front** of your monitor. Or print an impressive custom map to go with your travel itinerary. We use MAPS AND LEGENDS all the time at the office for sales and marketing maps. And since it's based on the GEM interface, it's GEM-easy to use!

MAPS AND LEGENDS 3.0
ST0202 \$34.95
(upgrade is \$15)



800-443-0100, ext. 133

(Continental U.S. and Hawaii) Visa/MC Only

ORDER TOLL FREE

gator Scott D. Stephenson. Private pilots, military pilots, navigators (ocean-going as well as air), and commercial operators can use this amazing program to create accurate, detailed flight plans.

Amateurs, arm-chair flyers, teachers and students of navigational theory can discover how the professional navigator plans his flight, compensates for wind direction, establishes waypoints, and calculates times and distances. And we've included a special MAPS AND LEGENDS overlay function which creates custom map overlays, graphically displaying your flight paths.

- **PRIVATE PILOTS:** You'll love THE NAVIGATOR'S printed flight plan and extensive ICAO waypoint database.
- **ARMCHAIR PILOTS:** Generate your own flight plans for sub-Logic's FLIGHT SIMULATOR II.
- **TEACHERS:** Show your students the rudiments of navigation. Use THE NAVIGATOR plus MAPS AND LEGENDS to measure the earth!
- **SAILERS:** Plan for currents or winds—taking fuel flows and times into consideration.
- **THE NAVIGATOR** comes complete with these databases: European ICAO, Asian ICAO, and US ICAO.

TWO PROGRAMS IN ONE!

Included with THE NAVIGATOR is THE NAVIGATION TOOLKIT a bonus program of computer navigation tools which performs sophisticated data management operations on your waypoint databases. Create new data files or modify existing files using its advanced random-search technique.

THE NAVIGATOR
ST0245 \$49.95

LET'S-GET-TECHNICAL BOX

Packed with features, including: STEREO COMPATIBILITY, BUILT-IN 9000-COORDINATE DATABASE, 11 DIFFERENT MAP PERSPECTIVES, PLOTTING FROM ANY ALTITUDE, WORKS IN ALL 3 SCREEN MODES, BUILT-IN PAINT SYSTEM (and compatible with DEGAS and NEO), MULTI-FONT LABELLER, CUSTOM OVERLAY PLOTTER (create your own maps—build your own map databases), AUTO-LOCATE MODE (reads coordinates, distance and bearing from maps) and so many more that we don't have room to list them all.

DATAMAP COLLECTION I

Expand Your Maps and
Legends Database!

NATIONAL POLITICAL BOUNDARIES

Europe, Latin America,
S. America, Asia, Africa

PROVINCIAL BOUNDARIES

Australia, Canada, China,
U.S.S.R.

(requires Maps and Legends
2.0 or greater)

DATAMAPS
ST0227 \$24.95

PLUS HISTORICAL MAPS AND MORE!



THE MEDITERRANEAN

BASE TWO™

The GEM Database by the Authors of DBMASTER ONE

THE NEXT STEP IN DATA-BASES, BY THE AUTHORS OF DB MASTER ONE™!

BASE-TWO™

Dan Matejka

and Stanley Crane

It's no fun re-learning your database commands every time you boot it up. And those simplistic "filecard" databases just don't have the power to do the job. Or, maybe you've just created your custom database, entered 5,000 records, and now you want to print a report... Good luck. You need a degree in programming just to get some decently formatted hardcopy!

Dan Matejka and Stanley Crane have eight combined years of experience writing databases on computers ranging from the IBM PC to the Apple Macintosh. And their databases range in complexity from the extremely powerful and complex IBM PC DB MASTER to the familiar, introductory DB MASTER ONE on the Atari ST. They've watched the ST database market grow—and they've spotted a gap: Until now, ST databases have been either too simple, or too complex. Until now, ST owners were limited to easy-to-use, inflexible "mailing lists," or involved, programmable "throw-backs" to the

CP/M or MS-DOS world. Until now, there was no intuitive, yet powerful database featuring an adaptable report generator.

Until now.

BASE-TWO fills the gap. Entirely GEM-operated, DB MASTER-ONE owners will find it familiar, yet far more powerful. Look over some of the features and see if it solves your problem:

- Variable field types:
 - Implicit (default)
 - Alpha
 - Numeric
 - Date (calculable)
 - Formula
- Formula fields automatically calculate results from several fields in same record
- Adjustable numeric decimal placement
- Re-edit database at any time without losing data
- User-definable .DIF file creation for software compatibility (with A-CHART, for example)
- DB MASTER-ONE conversion program
- On-line Help screens
- Optional mouse or keyboard control
- 64 character label length
- 100 fields per record
- Multi-level Search and Sort
- Totally RAM-based for instant action
- Format disks from within program

The intuitive BASE-TWO Report generator includes:

- Multi-line field word-wrap; screen and printer
- Completely adjustable label or column-format report
- Place "comment" text anywhere
- Customize with printer control codes
- 'Soft' field borders for auto-field truncation

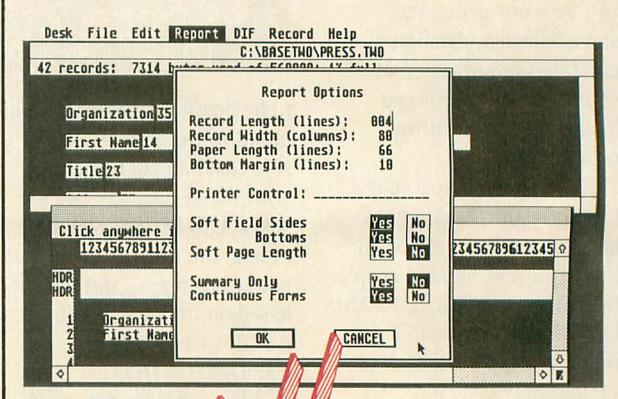
INSTANTANEOUS SORTING!

size	# records	sort time
512K	5,000	5.1 sec
1 Meg	10,000	9.7 sec
2 Meg	20,000	19.2 sec
4 Meg	50,000	46.1 sec

Using a sample eight-field mailing list.

- Optional, automatic date, time, and page numbering
- Print reports to screen, printer, or ASCII disk file for word-processor editing
- Optional subtotal printout
- Adjust number of records per page
- Double-line report headers
- Single-sheet or continuous feed option
- Store 10 custom reports for each file
- Up to 100 unique fields per report

**BASE-TWO
ST0246 \$59.95**



NEW!



PHASAR IS THE STANDARD BY WHICH OTHER FINANCIAL PACKAGES WILL BE MEASURED

IBM AND AMIGA USERS SAY:

"The first home accounting package I have found in five years that is actually usable."
—Mark Baldwin, Littleton, CO

"I am enjoying your tutorial almost as much as I admire the power and versatility of the software itself."
—Joe Joy, Huntington, VT

PHASAR

Professional Home Accounting System and Register
by Marksman Technology

WHAT PHASAR IS: A friendly, GEM-based, single-entry accounting system that will make your life easier. PHASAR is fast, sophisticated and contains the best interface programming design we've seen in any ST applications program.

GENERAL FEATURES

- 130 expense/income categories
- 40 accounts (VISA, checking, etc.)
- Up to 500 transactions per month
- Custom check printing
- A.I. parser predicts input, minimizes typing
- Instant help messages with right mouse button
- Relational design integrates financial data

TRANSACTIONS

- Automatic transfers between accounts
- Split-category transactions
- Create transaction macros for repetitive entries
- Point-and-type spreadsheet-style relational summary update

FINANCIAL ANALYSIS

- Easy budget setup and maintenance
- Analyze loan/savings plans
- Display multiple loans simultaneously for easy comparison

DATE/ADDRESS ORGANIZER

- Store up to 250 names, addresses and phone numbers
- Integrated scheduler stores special occasions
- Display calendar with highlighted special occasions
- Optional auto-alert reminds you of important events

RECONCILIATION

- Display outstanding transactions for any account
- Confirm transactions with single keystroke

REPORTS

- Clearly formatted printed reports include:
 - Account Summaries
 - Category Summaries
 - Net Worth Statement
 - Tax Calculations
 - And more...
- Display or print total income/expenses, monthly or year-to-date
- Sort categories in any order
- Built-in data graphing
- Compatible with A-CHART

TAX

- Design your own tax forms—never out of date
- Calculate tax liability in less than one minute
- Project tax liability at any time

PHASAR
STO237 \$89.95



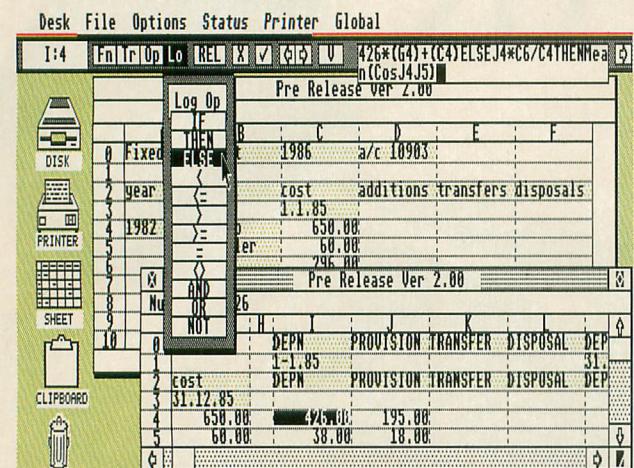
BYTE TESTS SHOW A-CALC ALMOST TWICE AS FAST AS MICROSOFT MULTIPLAN ON THE MAC PLUS!

A-CALC PRIME™ by Kuma

Kuma Computers, Ltd. UK

That's right! In the February 1987 review of the Atari 1040ST, BYTE magazine selected A-CALC 1.0 to test the Atari against the Amiga and the Macintosh Plus. On recalculation of a 25×25 cell spreadsheet, A-CALC was the clear winner at 4.7 seconds, compared to 7.5 on the Mac Plus, and 6.5 on the Amiga (using Lattice Unicalc).

And now, you can have all the speed of the original GEM-based spreadsheet plus the powerhouse features of the next generation: A-CALC PRIME—it blows away the competition.



Features that made the original A-CALC 1.0 the easiest-to-use spreadsheet ever:

- Up to five windows open at once
- WIDE-VIEW option to see 50 percent more of your worksheet at once
- SEARCH for character strings
- Powerful PRINTER FORMATTING commands

Make your next presentation the one they remember.

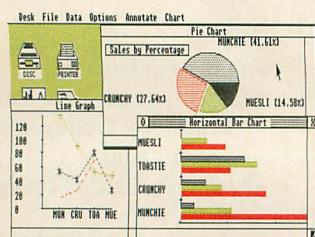
A-CHART™ by Kuma

Kuma Computers, Ltd. UK

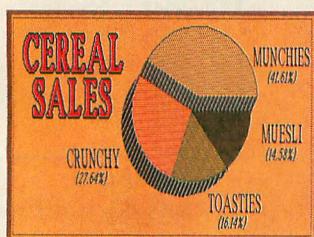
When was the last time you were excited about your spreadsheet? A-CHART makes working with figures **fun and intuitive**.

A-CHART automatically turns your A-CALC (or A-CALC PRIME) spreadsheets into beautiful graphs that are DEGAS-compatible. And, if you don't have a spreadsheet, A-CHART's **built-in editor** will help you organize those numbers into a super-sharp presentation.

View your data in eight different chart styles—change styles instantly with one mouse click. Drag and size multiple



A-CHART



DEGAS ENHANCED

"This is the easiest to use spreadsheet that I've ever seen."

—W. Krieger

Computer Shopper Magazine

- .DIF file compatibility
- Exclusive A-CHART compatibility
- Sparse-matrix design maximizes available RAM

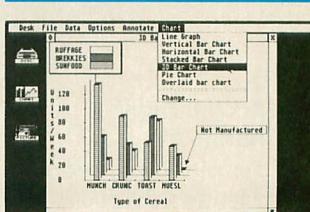
And now, PRIME adds dozens of special features:

- Row and column lock.
- Conditional expressions (IF, THEN, ELSE, etc.)
- MACROS
- Labels
- 8192 rows \times 256 columns
- Color/pattern coding of formula, text, value, etc.
- SORT and FIND
- Trig functions
- Sideways printing (for Epson compatibles)
- High-speed SMOOTH screen updating
- Complete printer control from **within** the spreadsheet
- Password-protected cells (hide and unhide)
- Additional ease-of-use features:
 - Off-screen scrolling with the mouse
 - Out-of-the-way convenient edit window
 - Cell and range reference by **pointing with the mouse** (even reference cells in inactive windows!)
 - Ten clipboards
- Illustrated manual and on-disk examples

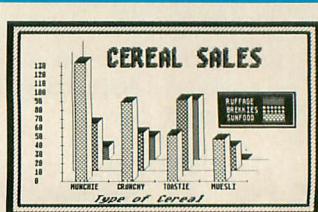


In short, PRIME gives you premium spreadsheet power for the rock-bottom price of \$59.95. And, for A-CALC 1.0 owners, the upgrade is only \$20.00 (plus \$5.00 shipping. Enclose your original ver. 1 disk).

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DEGAS ENHANCED

charts in each window, **define your own fill patterns and line styles**. The flexibility of the graphic presentation of your numbers will give you **an entirely new perspective on your business or home budget**. And A-CHART grows as you do, with the capability of storing up to 50,000 data points in a 512K machine and 150,000 datapoint in a 1 meg machine. **Full statistics menu** for detailed analysis includes Mean, Median, Variance, Standard Deviation, Skewness, T-test, F-test, and much more.

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FLASH is my #1 choice on the Atari ST."

—Ron Luks, Founder of CompuServe's SIG*Atari and Atari Developers Forum.

THE MOST POPULAR TERMINAL PROGRAM FOR THE ATARI ST.

FLASH™

Version 1.1
by Joe Chiazzese and Alan Page

If you own a modem, you should be using FLASH. Why? Because FLASH is the best. It will simplify your online time and make telecommunicating more enjoyable and less expensive.

TOTALLY PROGRAMMABLE PLUS BUILT-IN WORD PROCESSING

Imagine turning on your ST and, with **one click** from the GEM Desktop, beginning an online session on your favorite BBS. Watch FLASH

dial the number, log on, and **automatically** browse through the most recent messages or files. Then, edit some email in the **built-in message editor**, and upload it right from the capture buffer. Instantly! It's your personal telecom droid. So programmable that you have **total control**, and so GEM-intuitive that you feel right at home the first day you use it. No wonder FLASH is the most popular Atari terminal program of all time.

TERMINAL EMULATION PLUS BULLETPROOF FILE TRANSFERS

Of course, FLASH has a barrel full of terminal-emulation features, such as DEC VT100/VT52 and CompuServe Vidtex graphics, so you can use it with **every** mini or mainframe editor. And talk about

FLASH COMMAND CARDS

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FLASH
ST0220 \$39.95

FLASH-CARDS **TH9025** **\$7.95**

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—Ken Wolburn **Microtimes Magazine**

DOUBLE THE POWER OF YOUR **FLASH!** TRANSFORM IT INTO A BBS! ADD KERMIT!

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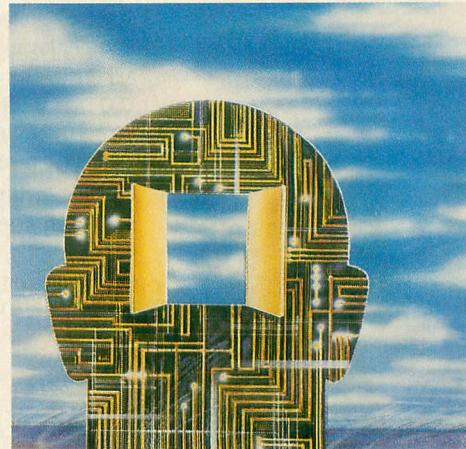
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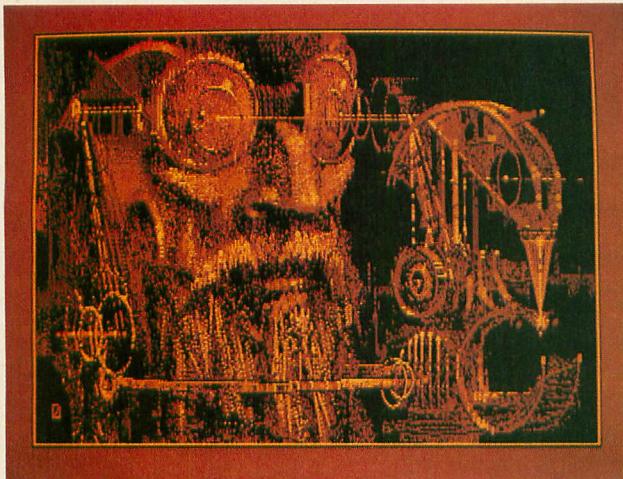
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**Stereotek
OPTIONAL**

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It's so simple. Here's how it works. Example: you're happily writing away and you make a "mistake" and BEEP (**THUNDER** picks up the error with lightning-fast speed). Now **THUNDER** will display a list of similarly spelled words (stake, mistake, etc.).

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CREATE NEAR-SYNTHESIZER-QUALITY SOUND EFFECTS WITH OUR SOUND LABORATORY.

G.I. Sound Tool

G.I.S.T.TM

by Lee Actor & Gary Levenberg for Synthetic Software
If sound has always fascinated you... or if you're a programmer or developer... take a look at G.I.S.T., the sound editor. G.I.S.T. was created to establish a standard of sound generation on the Atari ST that far surpasses the abilities of the built-in sound chip.

G.I.S.T. is really

two programs:

- 1) GEM-based editor
- 2) Sound Driver

As you can see from the screen display, the G.I.S.T. editor gives you real-time mouse control over any sound shape. The key to

G.I.S.T.'s power is dynamic control of the GI chip. Each voice has three ADSR (envelope) controls and three LFO's (low frequency oscillators). You'll be creating sounds like a profes-

START ICON EDITOR HITS

P.I.E.TM *NEW!*

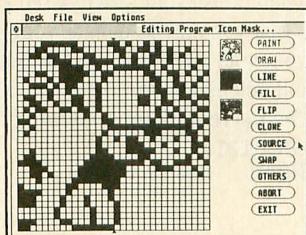
Professional Icon Editor

Alex Leavens

It began as a hot little desk accessory in START, The ST Quarterly—you know, "Customize Your Desktop Icons!" or so the copy read. And it was a lot of fun. You could redesign your Trash can to look like a paper shredder. But the programmer, Alex Leavens, just couldn't leave it

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Now, the Desktop Icon Editor has graduated. P.I.E. is the Professional Icon Editor—for programmers as well as desktop artists. Alex has added



you feel from not having powerful DOS functions available from within your favorite GEM program (or the desktop)...

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Make your personal version of GEM shine—for \$24.95.

CRYSTAL

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The best utility buy of the year, without a doubt."

—Current Notes

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(It makes GEM shine...)

by Jim Thompson

These are the DOS Icons Digital Research forgot when they wrote GEM. It's too bad Atari didn't put CRYSTAL into the TOS ROM's, because for about 30K of code, CRYSTAL gives TOS the most powerful features of MS-DOS. Plus, you never lose the look and feel of GEM. And since CRYSTAL is a desk accessory, it's always available.

In fact, these eight icons will eliminate all the frustration

sional engineer—Near Synthesizer Quality (NSQ) sound.

For programmers, the Sound Driver is linkable object code that can be used in your own software. Adding superior sound effects to any program... It's interrupt-driven, so it won't impact the speed of your software. In fact, it's already built into CYBERMATE for CAD-3D—just one of many useful applications.

LET'S-GET-TECHNICAL BOX

- Volume ADSR to shape attack, decay, sustain, release
- Volume LFO for Tremolo effects and AM (Amplitude Modulation)
- Frequency ADSR—frequency shifts up to ± 3 octaves!
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- LFO delay lets you add effects at any point in the sound
- MIDI-compatible! Use your keyboard to play the GI chip
- Three sound windows may be open at once

G.I.S.T. is also compatible with CYBERMATE. Add sound effects to your CAD-3D animations!

Source-compatible with Alcyon C, Megamax C, and Lattice C.

G.I.S.T.

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- Faster Paint and Line modes
- New Image Cut & Paste functions
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- Multiple Sub-function Menus added
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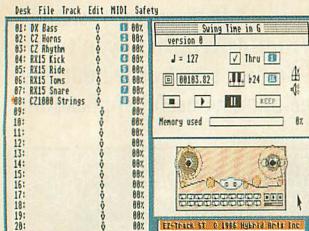
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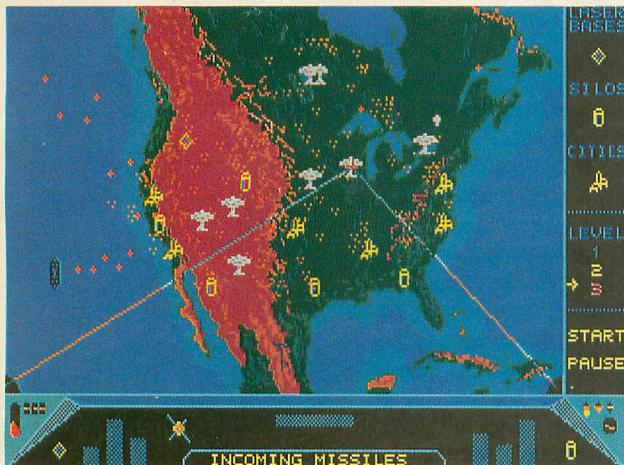


The 20-track polyphonic MIDI recorder for the Atari ST.

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This is the finest, moderately-priced MIDI software we've seen—and by an experienced firm with a strong music background. Easy to use, but no toy! With EZ-Track, you can make multitrack recordings in real time or step time, save them to disk, then play them back in perfect sync. Professional features include: Real-time solo and muting of tracks, quantizing (auto-correcting) of timing, instant transposition of entire song and much more. Memory capacity is over 27,000 notes on the 520ST and over 63,000 on the 1040ST—very flexible MIDI control.

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by Harry Koons

Sure, you can cross that palm with silver, but can you trust the results? Your ST, on the other hand, won't leave you in the gutter with empty pockets. And it's accurate! This GEM-based celestial workhorse instantly creates charts using formulas for the 9 most popular historical house systems (Placidus,

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**STAR STRUCK
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Fly a Cessna prop plane, soar in a Lear jet, or dogfight with other planes in a World War I scenario. Completely mouse controlled! Multiple windows for multiple viewpoints: cockpit, spotter plane, tower, zoom-map—set up as many as you like, drag them, size them and put them where you want. Special custom-graphics permit multi-tasking windows. Explore accurate, solid, three-dimensional geographical scenarios which sweep by at update rates as high as 10 frames-per-second. Supplied scenarios include San Francisco, New York to Boston, Chicago to Champaign, Los Angeles, and Seattle.

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(1 megabyte RAM required)

K-SWITCH

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A high-level Macro Assembler with an unbeatable combination of price, performance, and features.

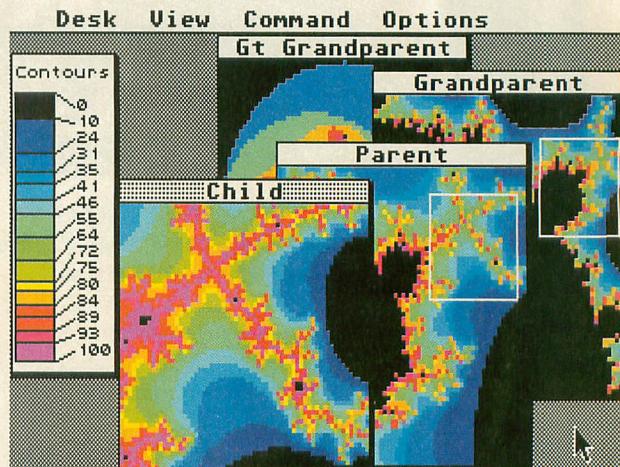
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INCLUDES: EDITOR, LINKER, MENU+.

Compatible with G.I.S.T. (page 10)

LATTICE C

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by Dan Matejka

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INCLUDES: EDITOR,
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